

What is claimed is:

1. A method of plugging in a pluggable terminal comprising:
wrapping a media processing device control method to create a pluggable
terminal type; and
making the pluggable terminal type available to a TAPI application
component.

2. The method of claim 1 wherein making the pluggable terminal type
available to a TAPI application component comprises:
creating a terminal object from the pluggable terminal type upon
initialization of a TAPI system;
registering the pluggable terminal;
discovering all available terminals, including the pluggable terminal; and
sending a list of available terminals, including the pluggable terminal, to
the TAPI application component.

3. The method of claim 1 wherein wrapping the media processing device
control method comprises:
deriving the pluggable terminal type from a terminal base class;
providing a first interface for plugging into a TAPI system; and
providing a second interface including at least one media processing
method for the TAPI application component.

1 8. The method of claim 3 wherein providing the second interface including
2 at least one media processing method comprises providing at least one media
3 processing method for processing media selected from the group consisting of
4 Public Switched Telephone Network (PSTN) calls, tone transmissions, speech
5 transmissions, IP interactive voice response system transmissions, IP unified
6 message system transmissions, and caller identification transmissions.

1 9. The method of claim 3 wherein providing the second interface including
2 at least one media processing method comprises providing at least one media
3 processing method for processing media selected from the group consisting of
4 music, movies, still pictures, and photographs.

1 10. The method of claim 3 wherein providing the second interface including
2 at least one media processing method comprises providing at least one media
3 processing method for processing media selected from the group consisting of
4 radio transmissions, television transmissions, and cable transmissions.

1 11. The method of claim 3 wherein providing the second interface including
2 at least one media processing method comprises providing at least one media
3 processing method for processing media selected from the group consisting of
4 portable device transmissions, wearable computer transmissions, tablet
5 transmissions, handheld device transmissions, and pocket-sized personal
6 computer transmissions.

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1 12. The method of claim 3 wherein providing the second interface including
2 at least one media processing method comprises providing at least one media
3 processing method for processing media selected from the group consisting of
4 digital phone calls and cellular phone calls.

1 13. The method of claim 1 further comprising creating the media processing
2 device control method.

1 14. A method of using a pluggable terminal comprising:
2 plugging in the pluggable terminal;
3 selecting a pluggable terminal from a list of available terminals for a
4 communications session; and
5 processing media during the communications session by performing at
6 least one method of media processing in the pluggable terminal.

1 15. The method of claim 14 wherein plugging in the pluggable terminal
2 comprises making the pluggable terminal available to a TAPI application
3 component.

1 16. The method of claim 14 wherein selecting the pluggable terminal from
2 the list of available terminals for a communications session comprises:
3 requesting a list of available terminals;
4 discovering all available terminals, including the pluggable terminal;
5 listing all available terminals;

6 selecting the pluggable terminal from the list of available terminals; and
7 creating a terminal object from a pluggable terminal type associated with
8 the selected pluggable terminal.

1 17. The method of claim 14 further comprising:
2 controlling media processing; and
3 coordinating media processing with call control.

1 18. A computer-readable medium having a data structure for registering a
2 pluggable terminal, the data structure comprising:
3 a terminal class name identifying a terminal class that the pluggable
4 terminal belongs to;
5 a unique identifier for the pluggable terminal;
6 a set of media flow directions supported by the pluggable terminal; and
7 a set of media types supported by the pluggable terminal.

1 19. The data structure of claim 18 further comprising:
2 a name for the pluggable terminal;
3 a company name identifying a company that made the pluggable
4 terminal; and
5 a version for the pluggable terminal.

1 20. The data structure of claim 18 wherein a media flow direction in the set
2 of media flow directions is selected from the group consisting of flowing to the
3 pluggable terminal and flowing from the pluggable terminal.

1 21. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of audio, video, text, and graphics.

1 22. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of modem transmissions, facsimile
3 transmissions, and telephony transmissions.

1 23. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of videoconferencing transmissions,
3 co-browsing transmissions, application sharing transmissions, document sharing
4 transmissions, and collaborative computing transmissions.

1 24. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of chat transmissions, visual chat
3 transmissions, Internet Protocol (IP) Telephony transmissions, and instant
4 messaging transmissions.

1 25. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of Public Switched Telephone
3 Network (PSTN) calls, tone transmissions, speech transmissions, IP interactive

4 voice response system transmissions, IP unified message system transmissions,
5 and caller identification transmissions.

1 26. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of music, movies, still pictures, and
3 photographs.

1 27. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of radio transmissions, television
3 transmissions, and cable transmissions.

1 28. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of portable device transmissions,
3 wearable computer transmissions, tablet transmissions, handheld device
4 transmissions, and pocket-sized personal computer transmissions.

1 29. The data structure of claim 18 wherein a media type in the set of media
2 types is selected from the group consisting of digital phone calls and cellular
3 phone calls.

1 30. The data structure of claim 18 further comprising a method for
2 registering itself.

- 1 31. The data structure of claim 18 further comprising a method for firing
2 events to a terminal manager component.
- 1 32. A computer-readable medium having computer-executable components
2 comprising:
3 a TAPI application component for conducting at least one
4 communications session; and
5 at least one pluggable terminal for processing media during the
6 communications session.
- 1 33. The computer-readable medium of claim 33 further comprising:
2 at least one Telephony Service Provider (TSP) component for call control
3 and for controlling communications devices; and
4 at least one Media Stream Provider (MSP) component for controlling
5 media processing and for coordinating media processing with the
6 at least one TSP component.
- 1 34. The computer-readable medium of claim 34 further comprising a
2 terminal manager component for providing the TAPI application component
3 with a list of available terminals and for implementing terminals.
- 1 35. A TAPI communications system, comprising:
2 a processor;
3 a storage device coupled to the processor; and

4 at least one pluggable terminal operative on the processor to process
5 media during a communications session.

1 36. The system of claim 36 further comprising a TAPI application
2 component to select the pluggable terminal for a communications session.

1 37. A TAPI communications system, comprising:
2 a processor;
3 a storage device coupled to the processor; and
4 a TAPI application component operative on the processor to select a
5 pluggable terminal for a communications session and to conduct
6 the communications session.

1 38. The system of claim 37 further comprising the pluggable terminal for
2 processing media during the communications session.

3 39. A computer-readable medium having a pluggable terminal type data
4 structure comprising:
5 a media processing device control method; and
6 a wrapper around the media processing device control method.

1 40. The data structure of claim 39 wherein the wrapper comprises:
2 a first interface for plugging in the pluggable terminal;

3 a second interface including at least one media processing method for a
4 TAPI application component; and
5 at least one method for controlling a media processing device.

1 41. The data structure of claim 40 wherein the at least one method for
2 controlling a media processing device comprises at least one method for
3 controlling a media processing device supporting media selected from the group
4 consisting of audio, video, text, and graphics.

1 42. The data structure of claim 40 wherein the at least one method for
2 controlling a media processing device comprises at least one method for
3 controlling a media processing device supporting media selected from the group
4 consisting of modem transmissions, facsimile transmissions, and telephony
5 transmissions.

1 43. The data structure of claim 40 wherein the at least one method for
2 controlling a media processing device comprises at least one method for
3 controlling a media processing device supporting media selected from the group
4 consisting of videoconferencing transmissions, co-browsing transmissions,
5 application sharing transmissions, document sharing transmissions, and
6 collaborative computing transmissions.

1 44. The data structure of claim 40 wherein the at least one method for
2 controlling a media processing device comprises at least one method for

controlling a media processing device supporting media selected from the group consisting of chat transmissions, visual chat transmissions, Internet Protocol (IP) Telephony transmissions, and instant messaging transmissions.

45. The data structure of claim 40 wherein the at least one method for controlling a media processing device comprises at least one method for controlling a media processing device supporting media selected from the group consisting of Public Switched Telephone Network (PSTN) calls, tone transmissions, speech transmissions, IP interactive voice response system transmissions, IP unified message system transmissions, and caller identification transmissions.

46. The data structure of claim 40 wherein the at least one method for controlling a media processing device comprises at least one method for controlling a media processing device supporting media selected from the group consisting of music, movies, still pictures, and photographs.

47. The data structure of claim 40 wherein the at least one method for controlling a media processing device comprises at least one method for controlling a media processing device supporting media selected from the group consisting of radio transmissions, television transmissions, and cable transmissions.

48. The data structure of claim 40 wherein the at least one method for controlling a media processing device comprises at least one method for controlling a media processing device supporting media selected from the group consisting of portable device transmissions, wearable computer transmissions, tablet transmissions, handheld device transmissions, and pocket-sized personal computer transmissions.

49. The data structure of claim 40 wherein the at least one method for controlling a media processing device comprises at least one method for controlling a media processing device supporting media selected from the group consisting of digital phone calls and cellular phone calls.

50. A computer-readable medium having a terminal base class data structure comprising:

- a first interface for plugging in a pluggable terminal; and
- a second interface for a TAPI application component.